

IN THE CLAIMS:

1-2 (Canceled)

3. (Currently Amended) A work form-measuring method as claimed in claim 2 comprising the steps of:

placing a work on a waiting position of an auto pallet changer directly after the work has been machined by a machining tool;

bringing a probe of a coordinate-measuring machine close to said work in said waiting position of said auto pallet changer and then measuring the forms and dimensions of said work, said coordinate-measuring machine being arranged in the vicinity of said machining tool; and

moving said tool of said machining tool and said probe of said coordinate-measuring machine to said work in a horizontal direction of motion and orthogonal to each other

wherein said direction of motion of said tool moving to said work and that of said probe of said coordinate measuring machine moving to said work both are horizontal.

4. (Currently Amended) A work form-measuring method as claimed in claim 4 3, wherein said coordinate-measuring machine is capable of taking refuge to such a position as that said coordinate-measuring machine does not prevent said work from moving.

5. (Currently Amended) A work form-measuring apparatus comprising:

an auto pallet changer for moving a work between a waiting position and a machining position at an inlet of a machining tool; and

a coordinate-measuring machine for bringing a probe thereof close to said work in said waiting position of said auto pallet changer directly after said work has been machined by <sup>a tool of</sup> ~~said~~ machining tool and placed on said waiting position, to thereby measure the forms and dimensions of said work;

wherein said tool of said machining tool and said probe of said coordinate-measuring machine move toward said work in a horizontal direction of motion and orthogonal to each other.

6. (Original) A work form-measuring apparatus as claimed in claim 5, further comprising refuge means for causing said coordinate-measuring machine to take refuge to such a position as that said coordinate-measuring machine does not prevent said work from moving.

7. (Previously Amended) A work form-measuring apparatus as claimed in claim 6, wherein said refuge means causes said coordinate-measuring means to take refuge with a linear motion.

8. (Previously Amended) A work form-measuring apparatus as claimed in claim 6, wherein said refuge means causes said coordinate-measuring means to take refuge with a rotational motion.

9. (Previously Amended) A work form-measuring apparatus as claimed in claim 5, wherein said machining tool and said coordinate-measuring means mutually exchange a measurement enabling signal and a measurement completion signal, both of which are related to the movement of said work by said changer.

10. (Previously Amended) A work form-measuring apparatus as claimed in claim 9, wherein said coordinate-measuring means leaves a refuge position after having

received a signal of informing a change movement completion, from said machining tool, and said changer starts moving said work after having received a signal of informing a coordinate-measuring means refuge completion.

11. (Original) A work form-measuring apparatus as claimed in claim 5, further comprising rotating means for rotating the work which is placed on a measuring position.

12. (Currently Amended) A coordinate-measuring machine disposed in the vicinity of a machining tool for getting a probe thereof close to a work in a waiting position of an auto pallet changer directly after said work has been machined by said machining tool and placed on said waiting position, to thereby measure the forms and dimensions of said work;

wherein said tool of said machining tool and said probe of said coordinate-measuring machine move toward said work in a horizontal direction of motion and orthogonal to each other.

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